

ABSTRACT OF THE DISCLOSURE

The present invention has been made to provide a hybrid-vehicle power train efficiently utilizing a motor in accordance with a vehicle speed range. A hybrid-vehicle power train connected to an engine comprises a motor, a CVT unit, a planetary gear unit having at least two input elements, namely, first and second input elements and an output element, a first clutch for engaging/disengaging the first input element with/from a final shaft of the power train, and a second clutch for engaging/disengaging the output element with/from the final shaft of the power train. An input shaft of the CVT unit is connected to the engine and is drivingly connected to the second input element. An output shaft of the CVT unit is connected to the first input element. The motor is connected to the output shaft of the CVT unit. According this configuration, motor torque is amplified and transmitted to the final shaft when the first clutch is engaged, while motor torque is transmit directly to the final shaft when the second clutch is engaged.